REMARKS

Claims 1, 3-4, 7-12, 14 and 16-26 are pending in this application. By this Amendment, claims 1, 14 and 16 are amended and claim 6 is canceled without prejudice or disclaimer. Various amendments are made for clarity and are unrelated to issues of patentability.

The Office Action rejects claims 1, 3-4, 6-12, 14 and 16-26 under 35 U.S.C. §102(e) by U.S. Patent 6,594,267 to Dempo. The rejection is respectfully traversed with respect to the pending claims.

Independent claim 1 recites sequentially storing the divided CPS packets into first storage areas with each first storage area corresponding to a different one of a plurality of virtual paths/virtual channels (VPs/VCs) of the respective CPS packets, and sequentially storing first identifiers of the first storage areas, each first identifier corresponding to a different one of the first storage areas and to a different one of the plurality of VPs/VCs. Independent claim 1 also recites that the sequentially storing the first identifiers includes generating a first reference table that maps each of the first identifiers to the corresponding VPs/VCs.

Dempo does not teach or suggest at least these features of independent claim 1. More specifically, when discussing features relating to sequentially storing first identifiers of the first storage unit, the Office Action (on page 3) states that addresses concerning each of the CPS-PDUs are stored in a FIFO memory and addresses #1 concerning each of the CPS-PDUs are stored in FIFO memory 13 where each address #1 corresponds to VPI & VCI. However, Dempo does not teach or suggest each first storage area corresponding to a different one of a plurality of VPs/VCs and sequentially storing first identifiers of the first storage areas, wherein

each first identifier corresponds to a different one of the first storage areas and to a different one of the plurality of VPs/VCs, as recited in independent claim 1.

Independent claim 1 also recites reading the stored CPS packets in the order of the stored first identifiers, sequentially storing the read CPS packets in second storage areas used to route the CPS packets to each destination, wherein each second storage area corresponds to a different one of a plurality of destination channel identifiers (CIDs), and sequentially storing second identifiers of the second storage areas, each second identifier corresponding to a different one of the second storage areas and to a different one of the plurality of destination CIDs.

Dempo does not teach or suggest sequentially storing the read CPS packets in second storage areas used to route the CPS packets to each destination, wherein each second storage area corresponds to a different one of a plurality of destination channel identifiers (CIDs). Dempo also does not teach or suggest sequentially storing second identifiers of the second storage areas, each second identifier corresponding to a different one of the second storage areas and to a different one of the plurality of destination CIDs. The Office Action states that each address # 2 (of FIFO memory 19) corresponds to an output CID. However, Dempo does not teach or suggest that each second storage area corresponds to a different one of a plurality of destination channel identifiers and storing the packets in second storage areas wherein each second storage area corresponding to a different one of a plurality of destination channel identifiers (CIDs) and to a different one of the plurality of CIDs.

Independent claim 1 also recites that the sequentially the storing first identifiers includes generating a first reference table that maps each of the first identifiers to the corresponding VPs/VCs, and the sequentially storing the second identifiers includes generating a second

reference table that maps each of the second identifiers to the corresponding one of the destination CIDs. The Office Action cites Dempo's col. 18, lines 55-58 as corresponding to a path setting table that maps addresses #1 with input VPIs and VCIs and a path setting table that maps addresses #2 with output CIDs. However, the cited section of Dempo does not relate to the claimed reference table that maps each of the first identifiers to one of the corresponding VPs/VCs. The cited section of Dempo also does not relate to the claimed reference table that maps each of the second identifiers to the corresponding one of the plurality of destination CIDs.

For at least the reasons set forth above, Dempo does not teach or suggest all the features of independent claim 1. Thus, independent claim 1 defines patentable subject matter.

Independent claim 14 recites a first memory that sequentially stores the divided CPS packets into first storage areas with each first storage area corresponding to a different one of a plurality of virtual paths/virtual channels (VPs/VCs) and that sequentially stores first identifiers of the first storage areas, each first identifier corresponding to a different one of the first storage areas and to a different one of the plurality of VPs/VCs, wherein the first memory includes a first reference table that maps the first identifiers to the corresponding one of the plurality of VPs/VCs. Independent claim 14 also recites a second memory that sequentially stores the routed CPS packets into second storage areas with each second storage area corresponding to a different one of a plurality of destination channel identifiers (CIDs), and sequentially stores second identifiers of the second storage areas, each second identifier corresponding to a different one of the second storage areas and to a different one of the plurality of destination

CIDs, wherein the second memory includes a second reference table that maps the second identifiers to the corresponding one of the plurality of destination CIDs.

For at least similar reasons as set forth above, Dempo does not teach or suggest at least these features of independent claim 14. Thus, independent claim 14 defines patentable subject matter.

Independent claim 16 recites first, second, third, and fourth memories, wherein each memory has a plurality of storage areas. Independent claim 16 also recites a reassembly processing unit that divides an input AAL2 cell into the AAL2 type CPS packets, stores the divided CPS packets in different first storage areas of the first memory with each first storage area corresponding to a different one of a plurality of virtual paths/virtual channels (VPs/VCs), and stores first identifiers of the different first storage areas in the second memory, each first storage area having a different first identifier that corresponds to one of the plurality of VPs/VCs. Independent claim 16 also recites a CPS packet switching unit that reads the CPS packets stored in the first memory in an order of the first identifiers stored in the second memory, stores the read CPS packets in different second storage areas of the third memory with each second storage area corresponding to a different one of a plurality of destination channel identifiers (CIDs), and stores second identifiers of the second storage areas in the fourth memory, each second storage area having a different second identifier that corresponds to one of the plurality of destination CIDs.

For at least similar reasons as set forth above, Dempo does not teach or suggest at least these features of independent claim 16. Thus, independent claim 16 defines patentable subject matter.

Accordingly, each of independent claims 1, 14 and 16 defines patentable subject matter. Each of the dependent claims depends from one of the independent claims and therefore defines patentable subject matter at least for this reason. In addition, the dependent claims recite features that further and independently distinguish over the applied references.

CONCLUSION

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1, 3-4, 7-12, 14 and 16-26 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
KED & ASSOCIATES, LLP

Daniel Y.J. Kim
Registration No. 36,186
David C. Oren
Registration No. 38,694

P.O. Box 221200
Chantilly, Virginia 20153-1200
(703) 766-3777 DCO/krf
Date: November 23, 2007
Please direct all correspondence to Customer Number 34610
\\Fk4\Documents\2016\2016-124\133379.doc